

NASA Project Management Challenge 2006 21-22 March, 2006 Galveston, Texas





#### Identifying Winning Project Managers

- Desired Habits of Project Leaders
- -Appreciating the "Soft" Side
- Characteristics of NASA Project Managers

## What is the difference between a Project Manager, and a Project Leader?

#### Differences Between Managers & Leaders

Kouzes & Posner, The Leadership Challenge

#### **Managers Manage**

Provide the vision

Maintain the status quo

Assist others to act

Monitor & control

Institutionalize the way

#### **Leaders Lead**

Create a shared vision
Challenge the status quo
Enable others to act
Encourage the heart
Model the way

# Habits of NASA Project Managers

#### Habits of NASA Project Managers

Decisive
Delegates, delegates, delegates
People oriented
Well organized & prepared

Maintains a network
Regular meetings
Good negotiator
Tells the bad news
Presents clearly &
concisely

Recognizes & rewards
Champions careers
Listens with respect
Celebrates success
Mindful of other's time
Open to dissenting opinions

Integrity
Honesty
Flexibility
Committed
Sense of humor

### Habits of NASA Project Managers Combined

#### **Interesting Outliers Suggested**

Penchant for action

Good sense of smell!

Doesn't chase rabbits

Knows the difference between gangrene, and amputation

Knows that 51% of being smart, is knowing what's dumb

#### The "Soft Side" of NASA Project Managers

#### What is the Soft Side?

- The skills needed to lead one's self, and others

#### How are these skills identified?

- Emotional Intelligence
- Personality
- Ego Resilience
- Temperament

- ...

#### **Emotional Intelligence**

#### **Personal Competences**

**Self-Awareness** 

Knowing one's internal states, preferences, resources, and intuitions

**Self-Regulation** 

Managing one's internal states, impulses, and resources

**Motivation** 

Emotional tendencies that guide or facilitate reaching goals

#### **Social Competences**

**Empathy** 

Awareness of other's feelings, needs, concerns

**Social Skills** 

Adeptness at inducing desirable responses in others

#### Constructs That Inform the "Soft Side"

- 1. Personality Meyers Briggs Type Indicator (MBTI)
- 2. Ego Resilience Measure of Ego Brittleness (ER)
- 3. Temperament Keirsey Temperament Sorter

#### 1. Personality

"...much seemingly chance variation in human behavior, in fact is not due chance; it is the logical result of a few basic, observable preferences."

Isabel Briggs Meyers
A Guide to the Development and use of the Meyers Briggs Type Indicator

#### **Personality Scales**

Meyers Briggs Type Indicator (MBTI)

Extraversion ----- Introversion

iNutuition ----- Sensing

Thinking ----- Feeling

Judging ----- Perceiving

#### 16 PERSONALITY TYPES

ISTJ ISFJ INFJ INTJ

ISTP ISFP INFP INTP

ESTP ESFP ENFP ENTP

ESTJ ESFJ ENFJ ENTJ

### Meyers Briggs Type Indicator (MBTI) Project Manager Research Findings

Women 6		U	60	
Extraversion	XXXXXX	XX	Introversion	
Sensing	XX	XXXXXX	iNtuition	
Thinking	XXXXXXX	X	Feeling	
Judging	XXXXXX	XX	Perceiving	
Men				
Extraversion	XXXXXX	XXX	Introversion	
Sensing	XX	XXXXXXX	iNtuition	
Thinking	XXXXXXX	X	Feeling	
Judging	XXXXX	XXX	Perceiving	

### 2. Ego Resilience- A Measure of Ego Brittleness

"...ego resilience can be considered a surrogate of emotional intelligence."

Daniel Goleman, Emotional Intelligence



Women

Mean 3.44

Men

Mean 3.31

tem·per·a·ment:

1. the combination of *mental*, *physical*, *and emotional traits* of a person; *natural predisposition* 

Our brain has *temperament for hardware* (inborn), and *character for software* (experience in the environment)

Temperament is ...our inclinations - our pre-disposition

Character is ... our habits - our disposition

David Keirsey: Please Understand Me

#### 16 PERSONALITY TYPES

ISTJ	ISFJ	INFJ	INTJ
ISTP	ISFP	INFP	INTP
ESTP	ESFP	ENFP	ENTP
ESTJ	ESFJ	ENFJ	ENTJ

#### 4 TEMPERAMENT TYPES

NTs	- Most independent	12% of the population
NFs	- Naturally empathetic	12% of the population
SPs	- Most adventurous	38% of the population
SJs	- Most traditional	38% Of the population

#### Characteristics of NTs

NTs - are most independent

NTs - set very high standards

NTs - see all possibilities

NTs - make impersonal decisions

NTs - are naturally curious

NTs - seek meanings in all things

(intellectual & competent)

(demanding of selves & others)

(visionary & excel at planning)

(logically solve problems)

(driven to acquire knowledge)

(great innovators)

#### Well known NTs

#### **ENTJs**

Bill Gates
Margaret Thatcher
Douglas MacArthur
George Marshall
Napoleon Bonaparte

#### **ENTPs**

Walt Disney
Isaac Asimov
Alfred Hitchcock
John Lennon
Benjamin Franklin

# Conclusions

"...no one is smart enough to predict the behavior of a single human being..." Steven Pinker, The Blank Slate

# Questions / Comments